

## COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name; and

I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled **OLIGONUCLEOTIDES FOR ENHANCED BIOAVAILABILITY** the specification of which:

☐ is attached hereto.

☒ was filed on April 30, 1998 as International Serial No. PCT/US98/08798 and was amended on May 24, 1999.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to be material to the patentability of this application in accordance with 37 CFR § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a-d) of any **foreign application(s)** for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of any application on which priority is claimed:

Country	Serial Number	Date Filed	Priority Claimed
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to be material to patentability as defined in 37 CFR § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

Serial Number	Date Filed	Status (Patented/Pending/Abandoned)
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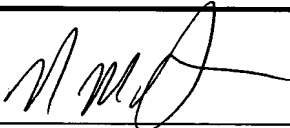
08/847,151April 30, 1997Pending

I hereby appoint the following persons as attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: **John W. Caldwell and Paul K. Legaard**, Registration Nos. **28,937 and 38,534** of **WOODCOCK WASHBURN KURTZ MACKIEWICZ & NORRIS LLP**, One Liberty Place - 46<sup>th</sup> Floor, Philadelphia, Pennsylvania 19103 and **Herb Boswell, Laurel Bernstein, Edward D. Robinson and Robert S. Andrews**, Registration Nos. **27,311, 37,280, 43,409, and P44,508**, of **ISIS PHARMACEUTICALS, INC.**, 2292 Faraday Avenue, Carlsbad, California 92008

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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of: Nicholas M. Dean, et al.

U.S. Serial No.: 09/403,539

Group Art Unit: N/A

International Serial Number: PCT/US98/08798

Examiner: N/A

International Filing Date: April 30, 1998

For: Oligonucleotides for Enhanced Bioavailability

Assistant Commissioner for Patents  
Washington DC 20231

Sir:

## ASSOCIATE POWER OF ATTORNEY

The undersigned, of the firm WOODCOCK WASHBURN KURTZ  
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DOCKET NO. ISIS-3013

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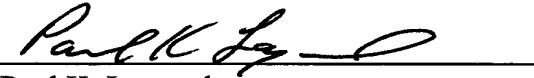
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Date: January 4, 2000

  
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